

HX Production Limited

www.hxproductiongroup.com

Email: <u>sales@hxproductiongroup.com</u>; Skype: HX-Jack. ~~ *Producer of Plastic Film, Battery, Mobile Tablet, LED Lighting, 3D Material* ~~.

Material Data Sheet

PET Film/Sheet Product

DESCRIPTION

TTC PET, is a Transparent Clear polyester film with 1-side or both chemcial-treated /UV-treated coating which creates an excellent surface for ink adheson & penetration. Its benefit falls in various printing with UV or conventional PVC ink, PET Solvent based ink.

It's widely used for nameplate, overlay, membrane switches, projector film & release line, insulation barrier for electric plugs, Label & Graphic base, Adhesive tape

A TCC Film is supplied with 2 different types in accordance with your ink application as below:

- TCC (UY4200) SUPER CLEAR PET (PET & PVC INK & SOLVENT BASED INK) 4200 type is tailored for high class printing, metalizing and electro-plating
- TCC (UY4300) SUPER CLEAR PET (UV-TREATED FOR UV-INK & PET INK)
- TCC (UY4400) CLEAR PET (PET INK, PVC INK SOLVENT BASED INK)

TYPICAL PROPERTY VALUE

Property	Standard Test	Unit	Results
PHYSICAL			
Color/Density	Transparent Clear	\pm 5 %	1.4
Light Transmittion	ASTM - D 1003-61	UY4200/4300	~ 92
		UY4400	~ 90.9
Haze	ASTM - D 1003-61	UY4200/4300	1.2
		UY4400	1.2
MECHANICAL			
Tensile Strength at Break	ASTM -D 638/882	kg/mm ²	18
Tensile Elongation at Break	ASTM -D 638/882	%	90
Friction Coefficient	ASTM -D1894	Static	0.5
THERMAL			
Std. Temperature Resistance	ASTM - D 1525-76	°C	> 105
Shrinkage at 130dec/30min	ASTM - D 1204	% (min)	1.5-2.5
ELECTRICAL PROPERTIES			
Dielectric Strength	JIS C2151	KV/mm	300KV/mm
Dielectric Constant	JIS C2151	1KHz	3.2
		1MHz	3.0
Dissipation Factor	JIS K6911	1KHz	0.30%
		1MHz	1.20%
Volume Resistivity	JIS C2151	Ω.cm	10 ¹⁷

Disclaimer

The information & value are intended for reference only. It does not guarantee the same data result, data safety and application suitability as described, nor is not considered a warranty or quality specification. Customer should carry its own test to determine your own particular use. The information relates only to the specific material designated and may not be vaild for such material used in combination with any other materials or in any process.